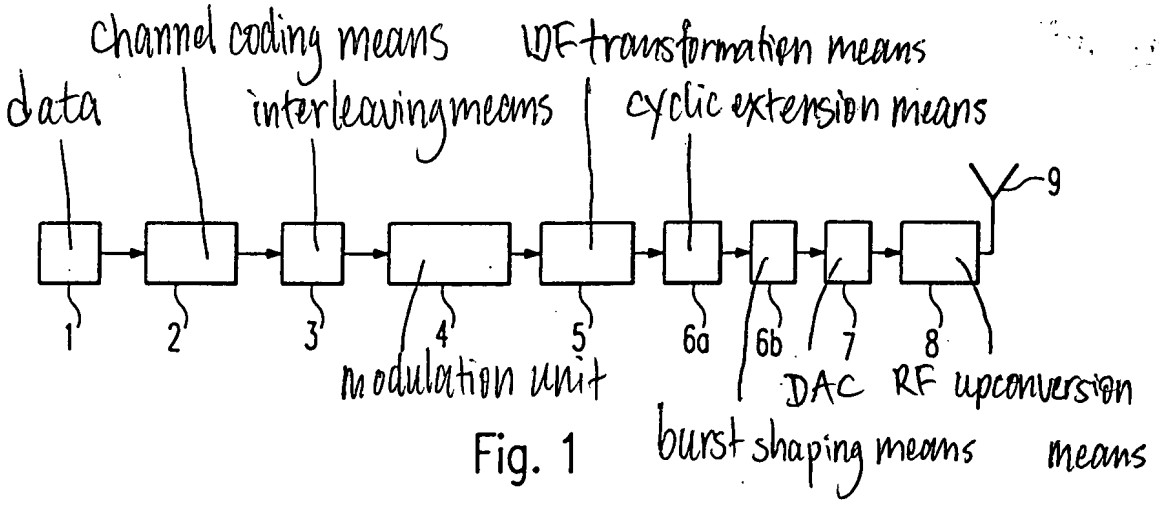
channel coding means
IDFT transformation means
data
interleaving means
cyclic extension means
9
1
2
3
4
5
6a
6b
7
8
modulation unit
DAC
RF upconversion means
burst shaping means

Fig. 1

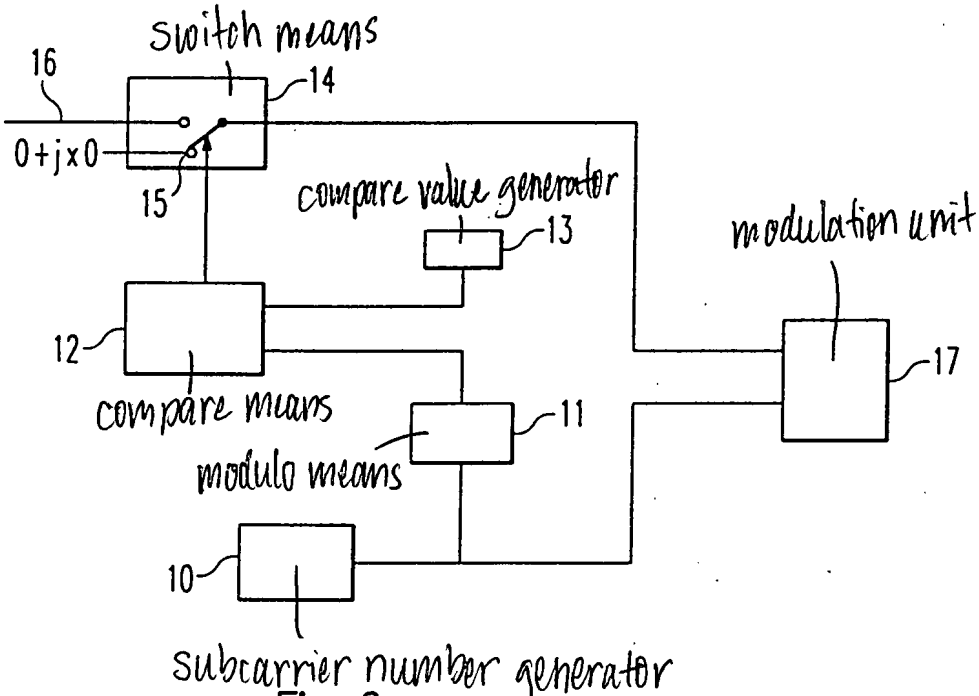
switch means
16
14
0+jx0
15
compare value generator
13
modulation unit
12
17
compare means
11
modulo means
10
subcarrier number generator

Fig. 2

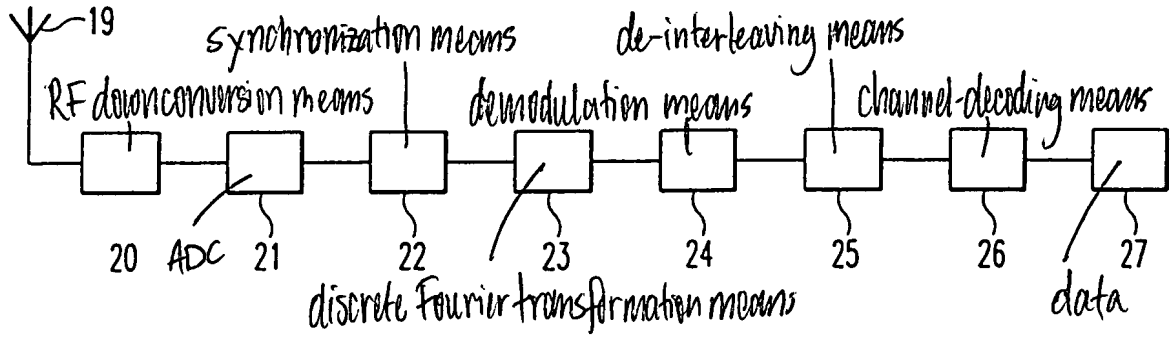
19
synchronization means
de-interleaving means
RF downconversion means
demodulation means
channel-decoding means
20
ADC
21
22
23
24
25
26
27
discrete Fourier transformation means
data

Fig. 5

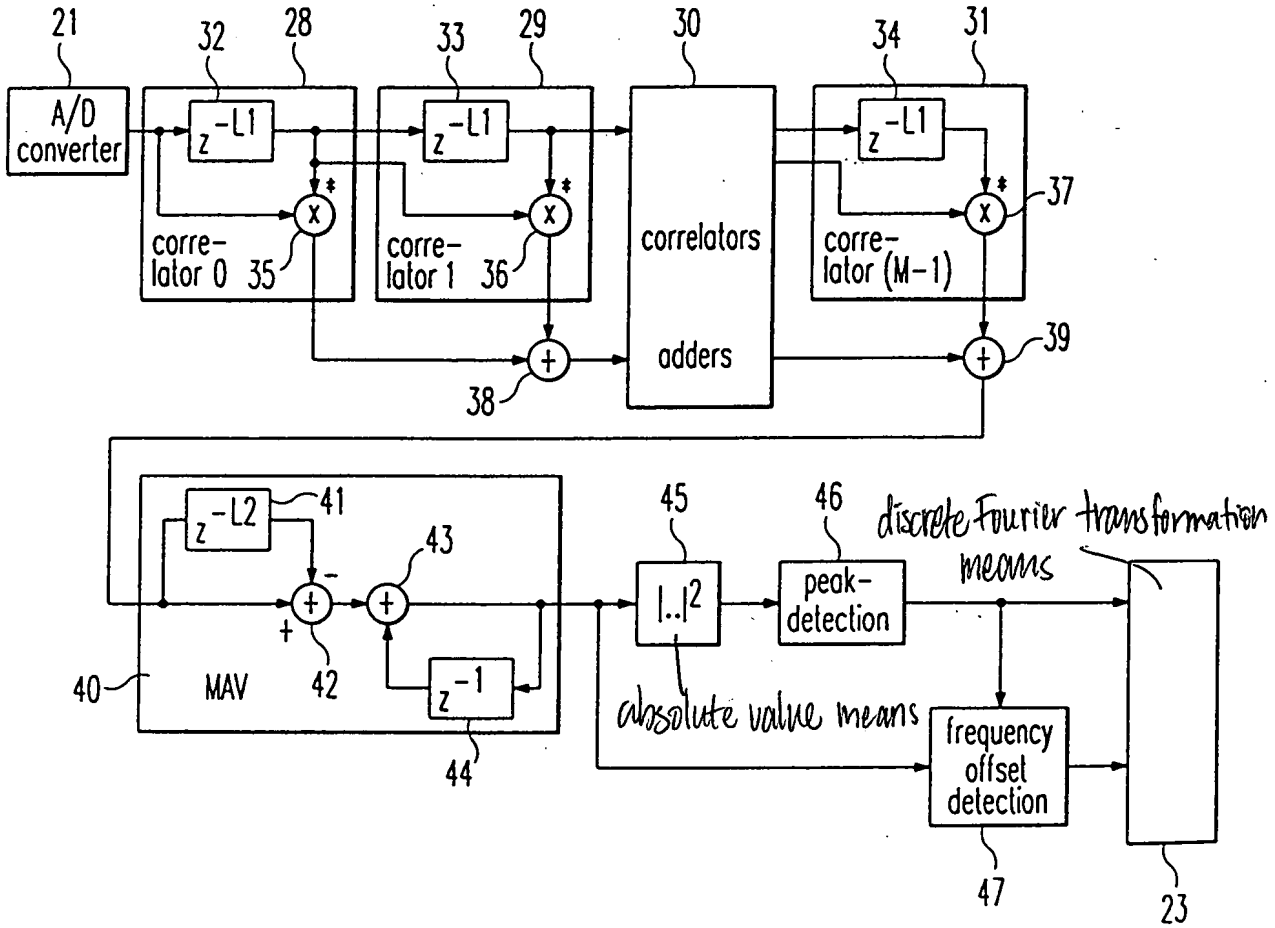
21
32
28
33
29
30
34
31
A/D converter
z^{-L1}
correlator 0
35
correlator 1
36
correlators
adders
correlator (M-1)
37
38
39
z^{-L2}
41
43
40
MAV
42
z^{-1}
44
45
|..|2
46
peak-detection
discrete Fourier transformation means
absolute value means
frequency offset detection
47
23

Fig. 6

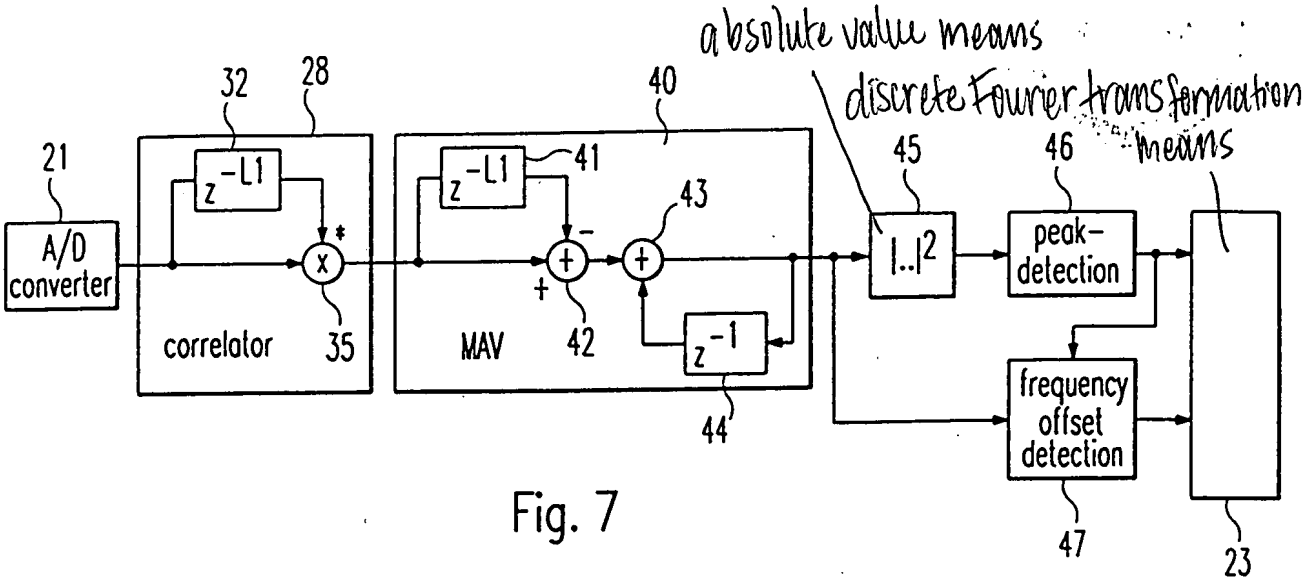

Fig. 7

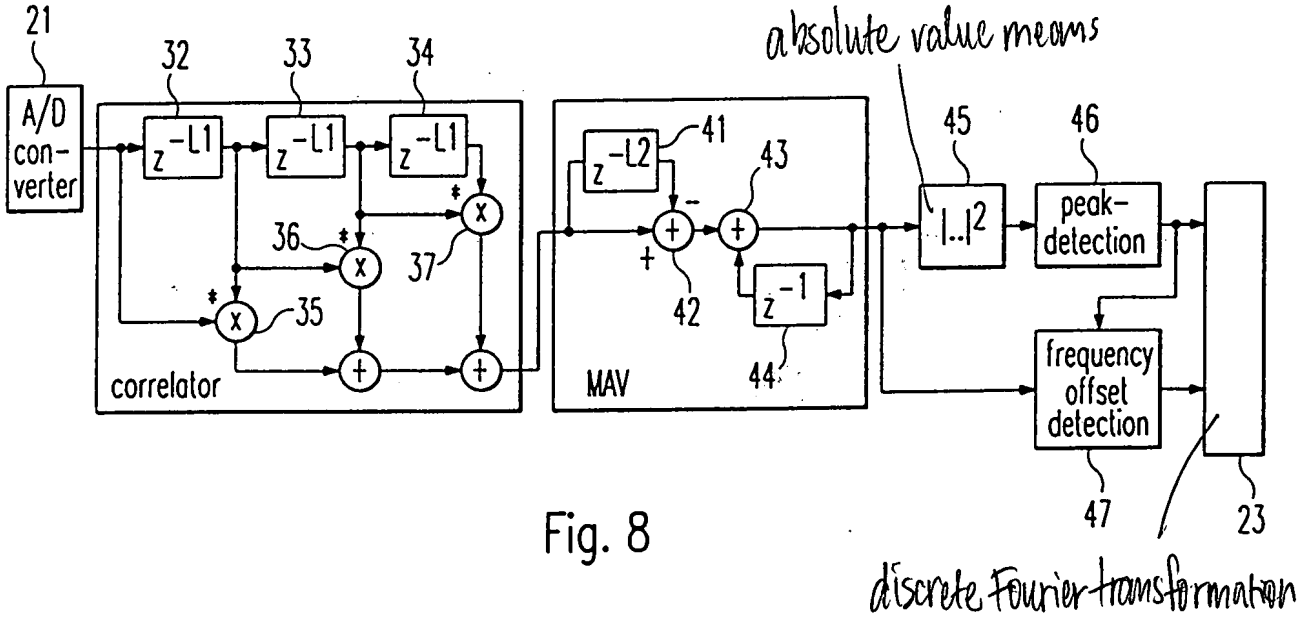

Fig. 8

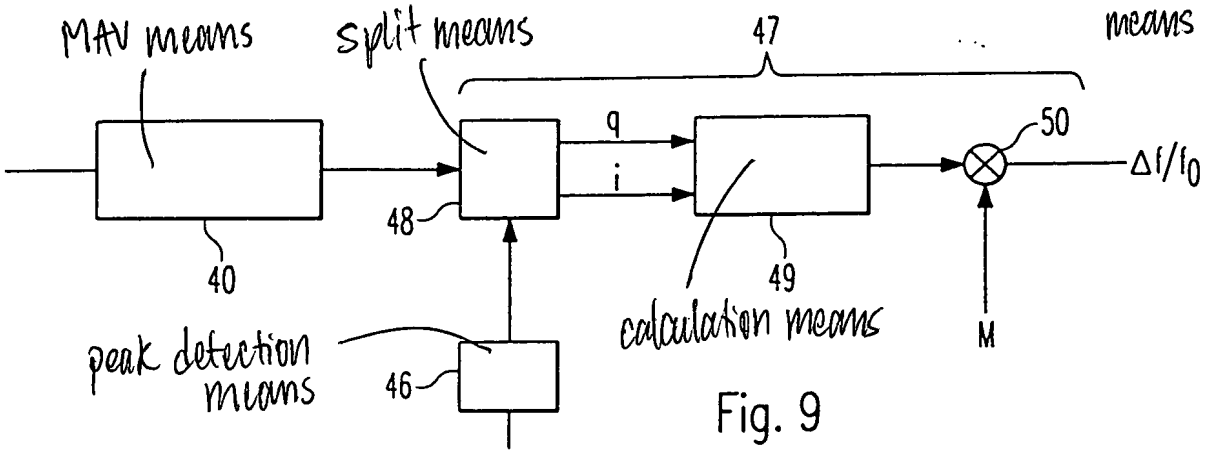

Fig. 9